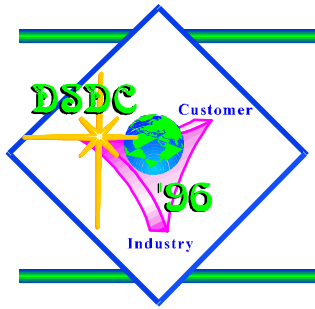
DSDC'S RACE TO LEVEL 3

Presented By: Kim Papenfuse
DSDC-DS
(614) 692-8124

Why Are We Racing?

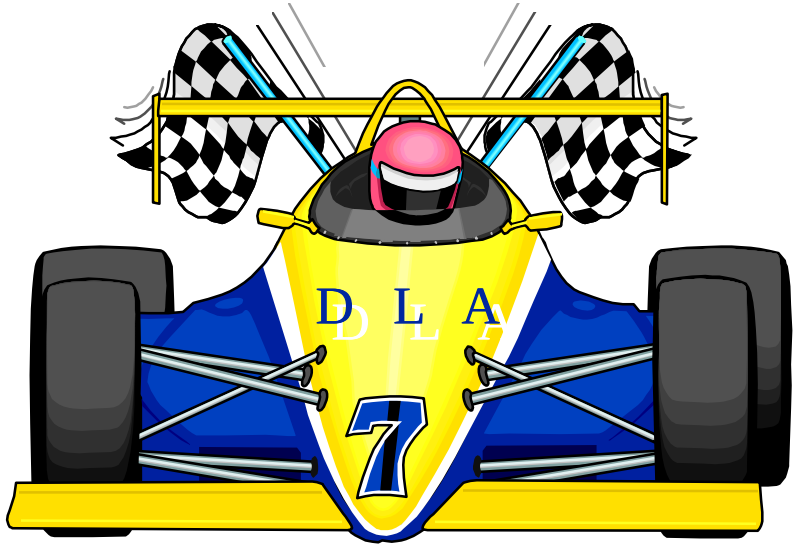


What Race Are We In?

- We are **NOT** racing sprints

What Race Are We In?

- We are NOT racing sprints
- We are in a race of speed**AND** endurance



The DLA SPI Racing Team

SPOTTERS

PIT CREW

FANS

DRIVERS

ENGINEERS

SPORTSCASTERS

SPONSORS

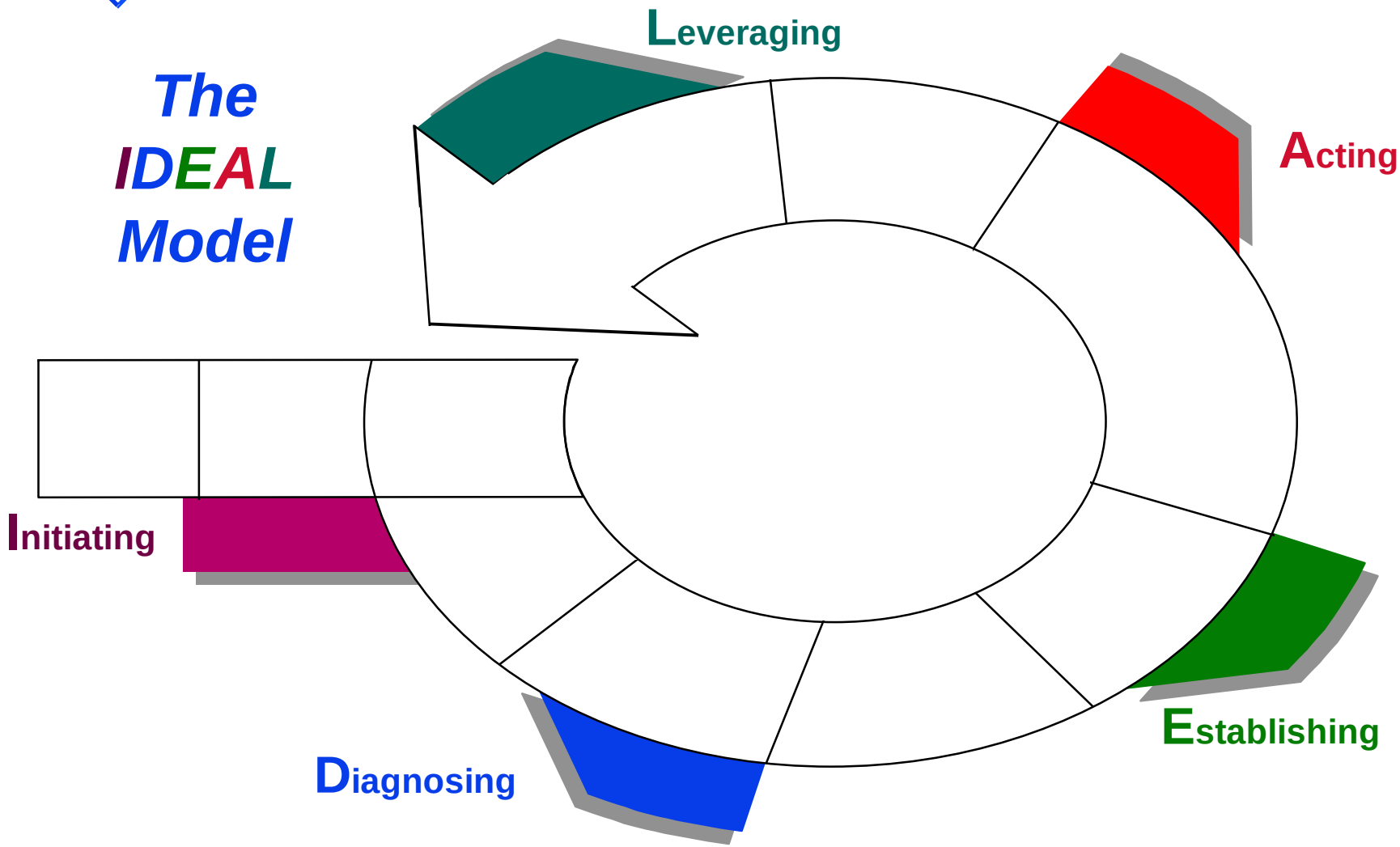
INSPECTORS

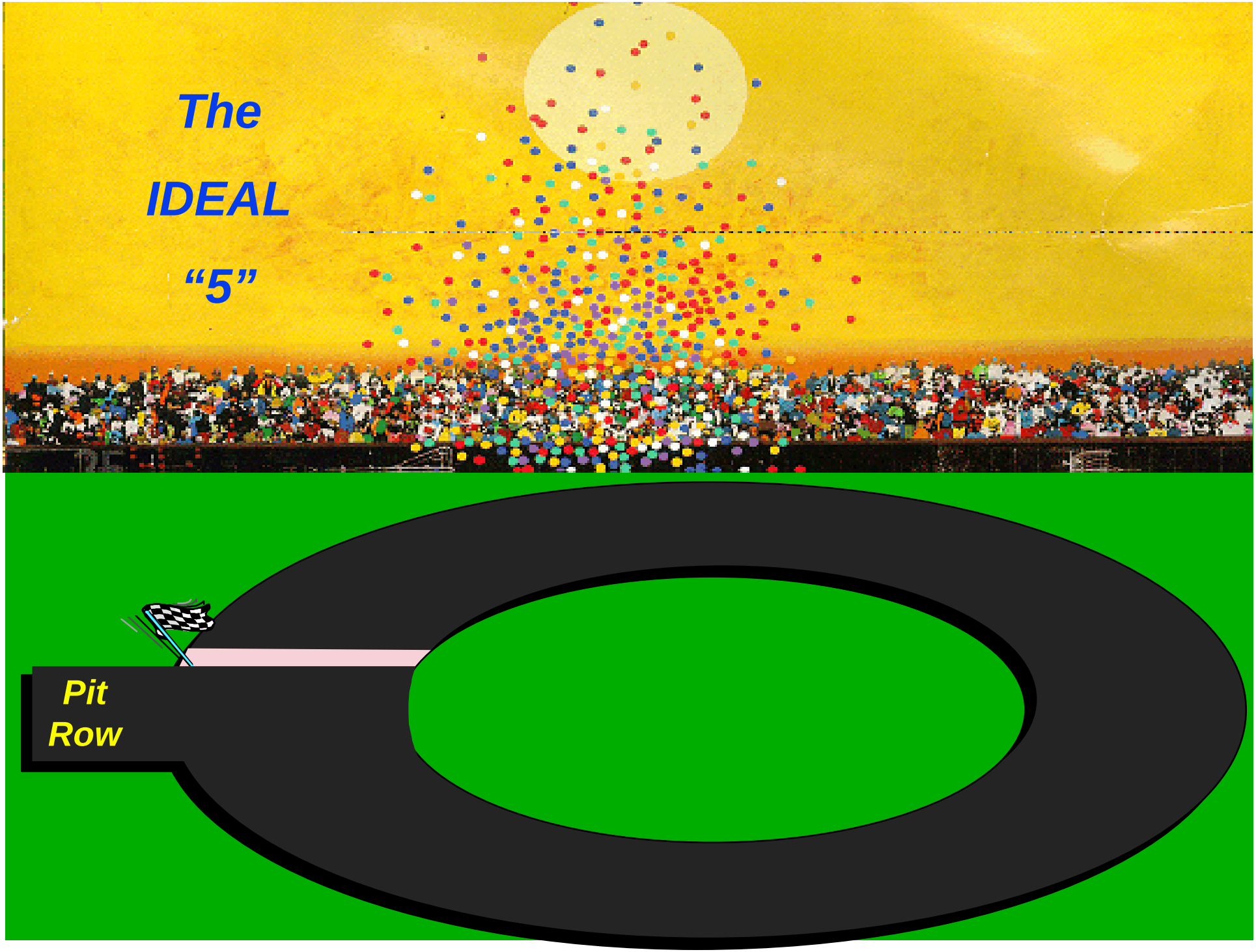
PROMOTERS

RACE ANNOUNCER

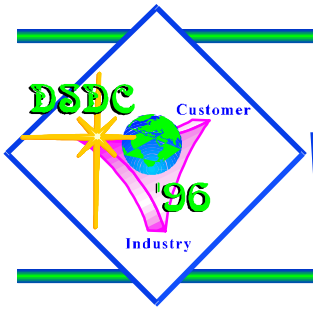
What Does the Race Track Look Like?

The IDEAL Model




The
IDEAL
"5"
Pit
Row

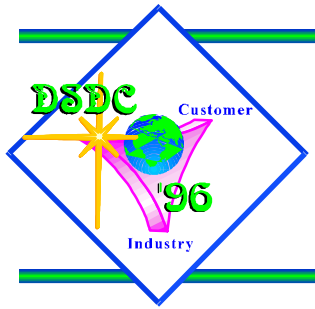
Where the Race is More Exciting . . .



What Vehicle Are We Using in the Race?

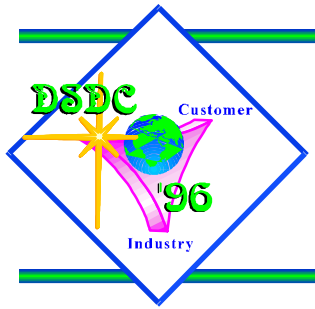
Capability Maturity Model (CMM) Version 1.1

LEVEL	KEY PROCESS AREAS	RESULT
OPTIMIZING 5	DEFECT PREVENTION TECHNOLOGY INNOVATION PROCESS CHG MGT	PRODUCTIVITY AND QUALITY
MANAGED 4	PROCESS MEASUREMENT AND ANALYSIS QUALITY MANAGEMENT	
DEFINED 3	ORGANIZATION PROCESS FOCUS ORGANIZATION PROCESS DEFINITION PEER REVIEWS TRAINING PROGRAM INTERGROUP COORDINATION SOFTWARE PRODUCT ENGINEERING INTEGRATED SOFTWARE MGT	
REPEATABLE 2	REQUIREMENTS MGT SOFTWARE PROJECT PLANNING SOFTWARE PROJECT TRACKING SOFTWARE SUBCONTRACT MGT SOFTWARE QUALITY ASSURANCE SOFTWARE CONFIGURATION MGT	
INITIAL 1		RISK



Level 2 - The Repeatable Level

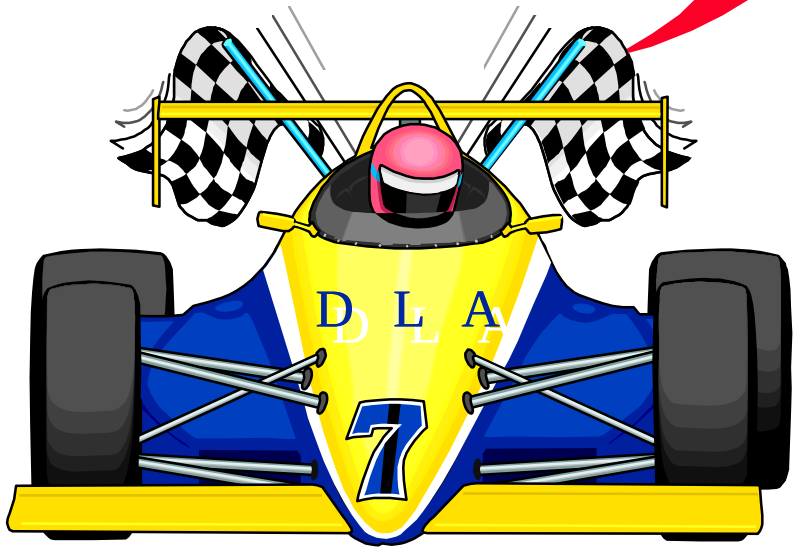
- **Stable planning & tracking**
  - ★ **Realistic project commitments**
    - ✓ **Previous successful projects**
    - ✓ **Project requirements**
  - ★ **Schedule, costs, & functionality closely tracked**
  - ★ **Problems meeting commitments id'd when they arise**
- **Requirements baselined; integrity controlled**
- **Standards defined & followed**
- **Strong CDA-subcontractor relationship**



Level 3 - The Defined Level

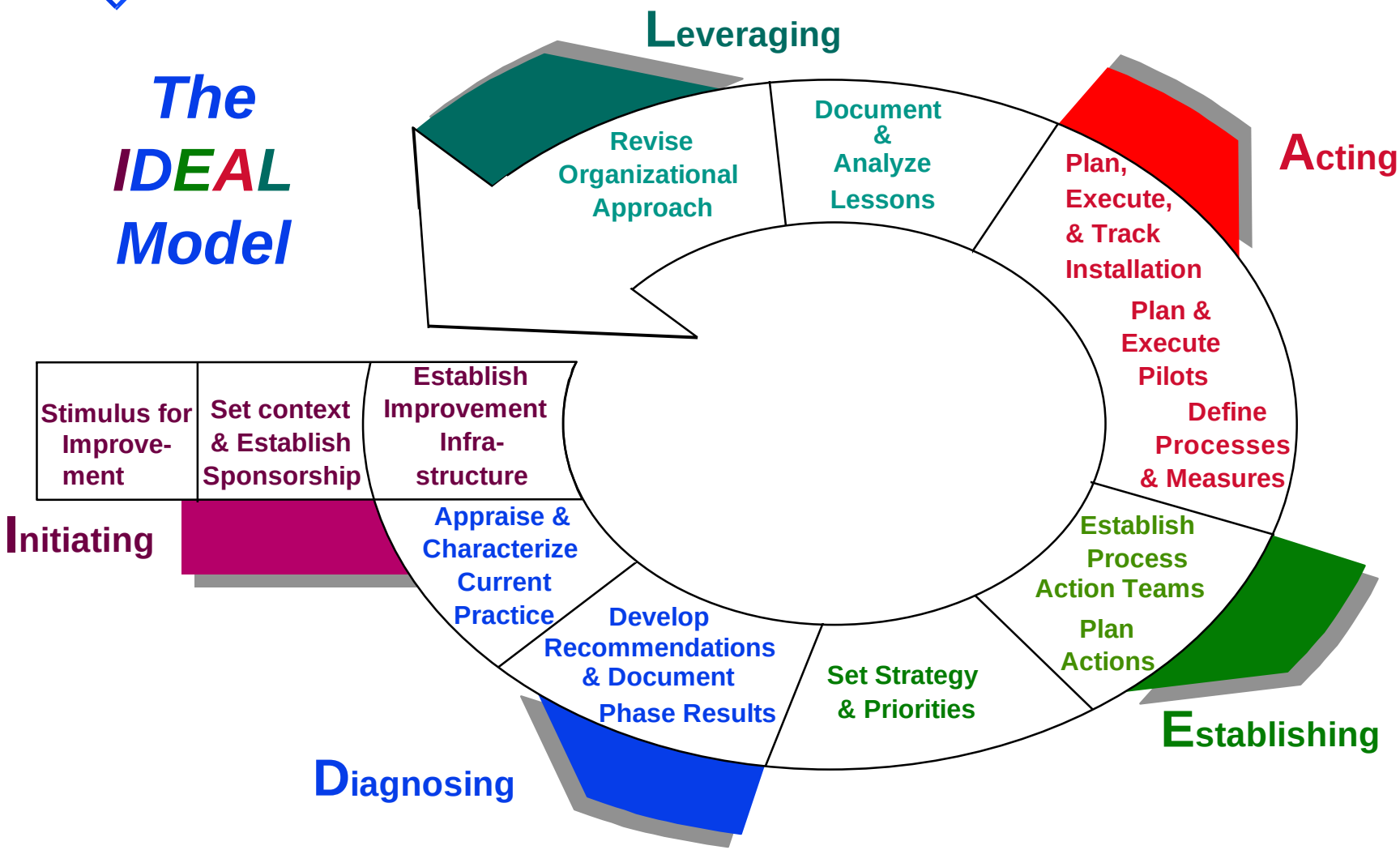
- Documented, integrated, stable processes
  - ★ Software engineering
  - ★ Management practices
- Group (SEPG) responsible for improvement activities
- Organization-wide training program
- Standard process tailored to each project
- Management insight into technical progress on all projects
- Schedule, cost, quality under control within product lines

Talk's Cheap . . . Let's Race!

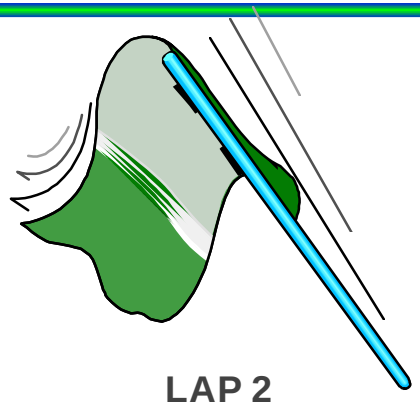


Ladies & Gentlemen - Start Your Engines!

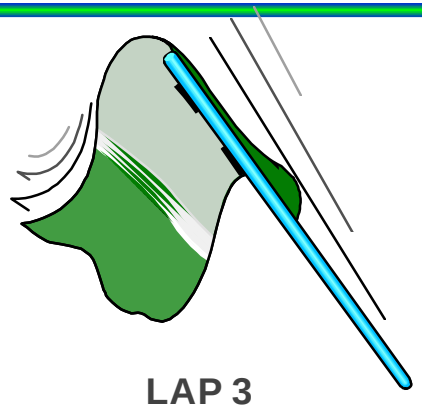
The IDEAL Model



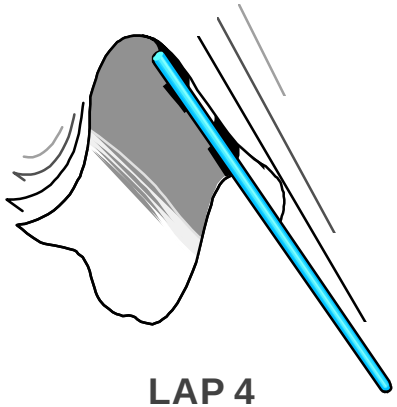
How Are We Doing?



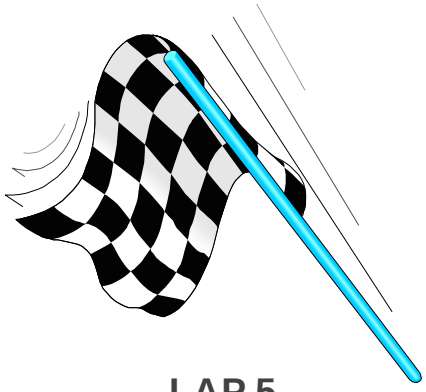
LAP 2
(MAR 96 - AUG 96)



LAP 3
(SEP 96 - FEB 97)



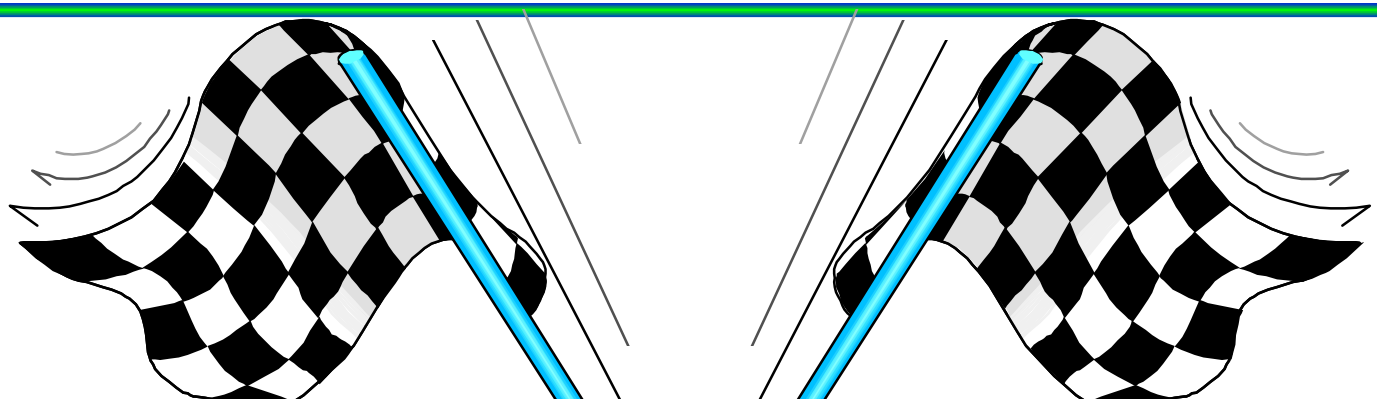
LAP 4
(MAR 97 - AUG 97)



LAP 5
(SEP 97 - FEB 98)

Working Together . . .

The DLA SPI Racing Team Will Win the Race!



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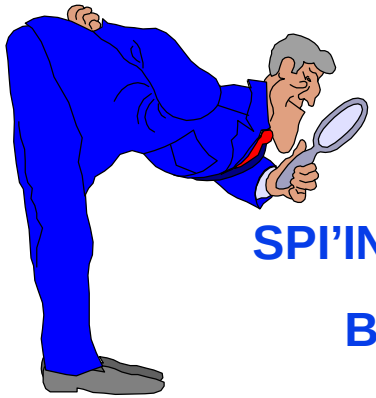
You can also contact us through our Customer Service Line at 1-800-692-1944 or visit our home page at http://www.dsdc.dla.mil/

Software Process Improvement (SPI)

We hope you'll attend all of our SPI presentations at DSDC '96:



SPI'ING IS DSDC'S BUSINESS

HIGHWAY 498:
The Road to Successful Software Development Projects

DSDC'S RACE TO LEVEL 3